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### ABSTRACT

A unique database, a "transcriptosome" of a primate CD34+ cell, was compiled which is useful for the analysis and transplantation of bone marrow. Research and clinical applications arise from analysis of bone marrow, and related 5 hematopoietic tissues, prior to gene therapy or transplantation. Because the database contains many unknown and uncharacterized genes, an important use is the discovery of new genes that are relevant to hematopoiesis and stem cell growth. These genes may lead to further commercial products.